Title (en)

TITANIUM-MADE CATHODE ELECTRODE FOR PRODUCING ELECTROLYTIC COPPER FOIL, ROTARY CATHODE DRUM USING THE TITANIUM-MADE CATHODE ELECTRODE, METHOD OF PRODUCING TITANIUM MATERIAL USING TITANIUM-MADE CATHOD ELECTRODE AND METHOD OF CORRECTING/WORKING TITANIUM MATERIAL FOR TITANIUM-MADE CATHODE ELECTRODE

Title (de)

TITANKATHODENELEKTRODE ZUR HERSTELLUNG VON ELEKTROLYTISCHER KUPFERFOLIE, DIESE VERWENDENDE DREHKATHODENTROMMEL, HERSTELLUNGSVERFAHREN FÜR TITAN UNTER VERWENDUNG DIESER KATHODEUND VERFAHREN ZUR KORREKTUR/BEARBEITUNG VON TITAN FÜR TITANKATHODENELEKTRODEN

Title (fr)

ELECTRODE CATHODE EN TITANE POUR LA PRODUCTION D'UNE FEUILLE DE CUIVRE ELECTROLYTIQUE, TAMBOUR CATHODE ROTATIF COMPORTANT L'ELECTRODE CATHODE EN TITANE, PROCEDE DE PRODUCTION DE TITANE UTILISE POUR LADITE ELECTRODE CATHODE EN TITANE ET PROCEDE PERMETTANT DE CORRIGER / TRAVAILLER LE TITANE POUR L'ELE

Publication

EP 1258543 A1 20021120 (EN)

Application

EP 01272857 A 20011226

Priority

- JP 0111424 W 20011226
- JP 2000397481 A 20001227

Abstract (en)

The purpose is to provide a cathode electrode for manufacturing an electrodeposited copper foil which is possible to be continuously and stably usable for a long duration of 3000 hours or longer to subsequently lessen the frequency of maintenance work execution as low as possible and to contribute to lower the running cost of the electrodeposited copper foil manufacture. As the means for achieving the purpose, a cathode electrode made of a titanium material is employed for obtaining an electrodeposited copper foil using an electrolytic copper solution and the titanium material having 7.0 or higher crystal grain size number and 35 ppm or lower initial hydrogen content is used for manufacturing the cathode electrode for manufacturing an electrodeposited copper foil. Further, also provided is a manufacturing method of the titanium material to be employed for the cathode electrode made of a titanium material. <IMAGE>

IPC 1-7

C25D 1/04

IPC 8 full level

B21B 1/26 (2006.01); **B21B 3/00** (2006.01); **C22F 1/00** (2006.01); **C22F 1/02** (2006.01); **C22F 1/18** (2006.01); **C25D 1/00** (2006.01); **C25D 1/04** (2006.01); B21B 45/00 (2006.01)

CPC (source: EP KR US)

C25D 1/04 (2013.01 - EP US); **C25D 17/10** (2013.01 - KR); B21B 3/00 (2013.01 - EP US); B21B 2045/006 (2013.01 - EP US)

Citation (search report)

See references of WO 02053805A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)

EP 1258543 A1 20021120; CN 1258001 C 20060531; CN 1406290 A 20030326; JP 2002194585 A 20020710; JP 4441642 B2 20100331; KR 100463708 B1 20041229; KR 20020081690 A 20021030; TW 555613 B 20031001; US 2003116241 A1 20030626; US 7029558 B2 20060418; WO 02053805 A1 20020711

DOCDB simple family (application)

EP 01272857 A 20011226; CN 01805656 A 20011226; JP 0111424 W 20011226; JP 2000397481 A 20001227; KR 20027010800 A 20020819; TW 90129956 A 20011204; US 20347202 A 20020812